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	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/587,500	07/27/2006	Takaaki Noda	128807	6657
	25944 OLIFF & BER	7590 11/01/2007 RIDGE, PLC	•	EXAMINER	
	P.O. BOX 320850 ALEXANDRIA, VA 22320-4850	•	FORD, NATHAN K		
	ALEXANDRIA, VA 22320-4830			ART UNIT	PAPER NUMBER
				1792	
				MAIL DATE	DELIVERY MODE
				11/01/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

•	Application No.	Applicant(s)				
	10/587,500	NODA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Nathan K. Ford	1792				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
 Responsive to communication(s) filed on <u>28 March 2005</u>. This action is FINAL. 2b) ☐ This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i>, 1935 C.D. 11, 453 O.G. 213. 						
Disposition of Claims	Disposition of Claims					
4) Claim(s) 1-17 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-17 are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite				

Application/Control Number: 10/587,500

Art Unit: 1792

DETAILED ACTION

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a

single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which

the claims must be restricted.

Group I, claim(s) 1-16, drawn to a method of manufacturing a semiconductor device.

Group II, claim(s) 17, drawn to an apparatus for processing a substrate.

If a reference teaches these common elements, the requirement of unity of invention is not satisfied. Noda et al.,

US 2003/0077920, disclosing an apparatus for manufacturing a semiconductor device, teaches each common feature

between the above claim groupings:

A reaction furnace (11);

Gas supply lines (12, 13) input to the furnace;

O Wherein an inert gas is fed to the furnace ([0056]);

A means to load and remove the substrate from the furnace ([0012]);

A means for furnace evacuation ([0049]).

In light of Noda, the claims of the applicant are not technically significant under PCT Rule 13.2, Section 2. As

such, the claims do not satisfy the requirement of unity of invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to

Nathan K. Ford whose telephone number is 571-270-1880. The examiner can normally be reached on M-F, 8:30-5:00

EDT. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Cleveland

can be reached on 571-272-1418. The fax phone number for the organization where this application or proceeding is

assigned is 571-273-8300.

nkf

MICHAEL B. SLEVELAND SUPERVISORY PATENT EXAMINER

Page 2